

3

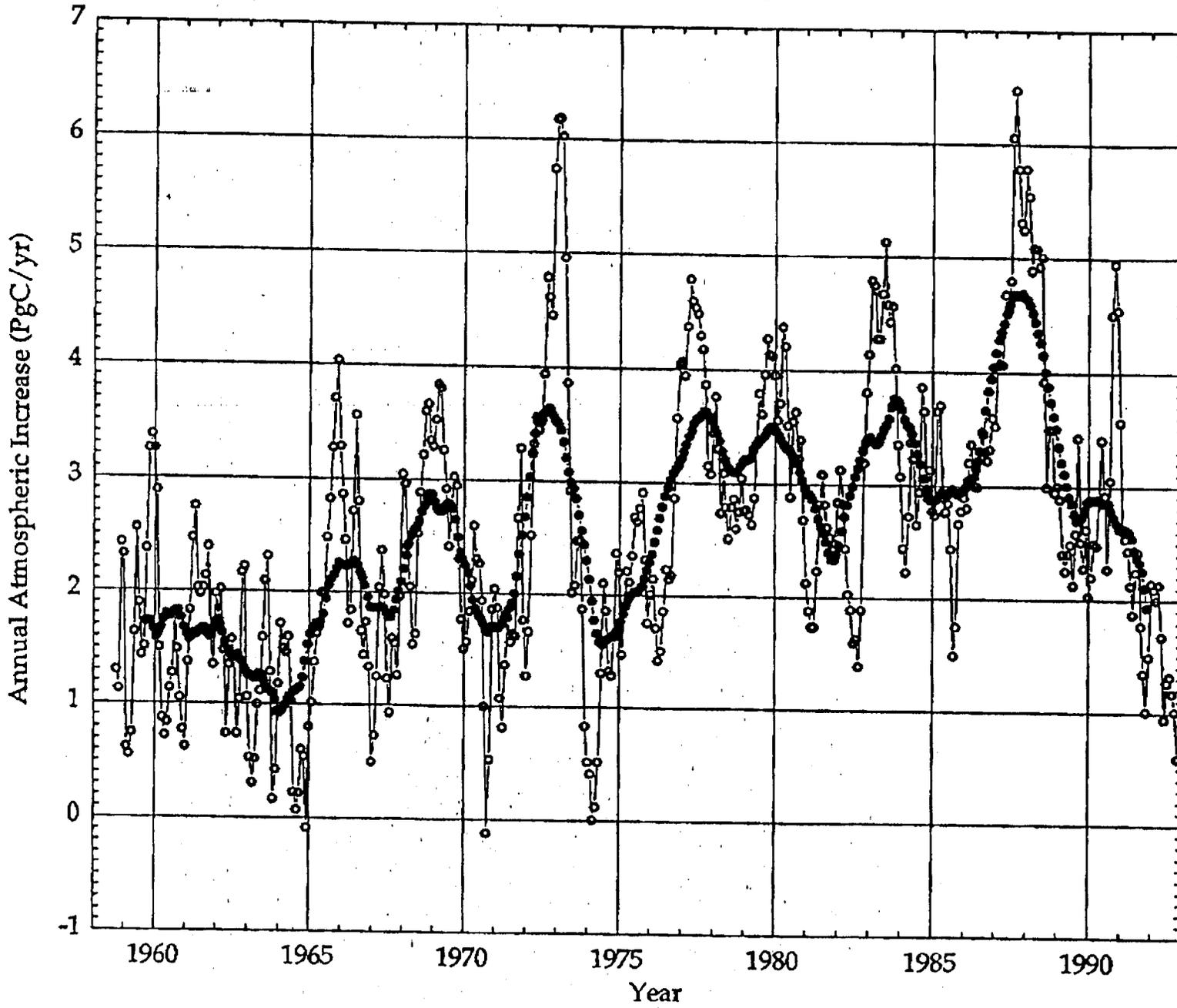
MODIS Instrument Team Meeting

29 September, 1993
GSFC, Greenbelt, MD

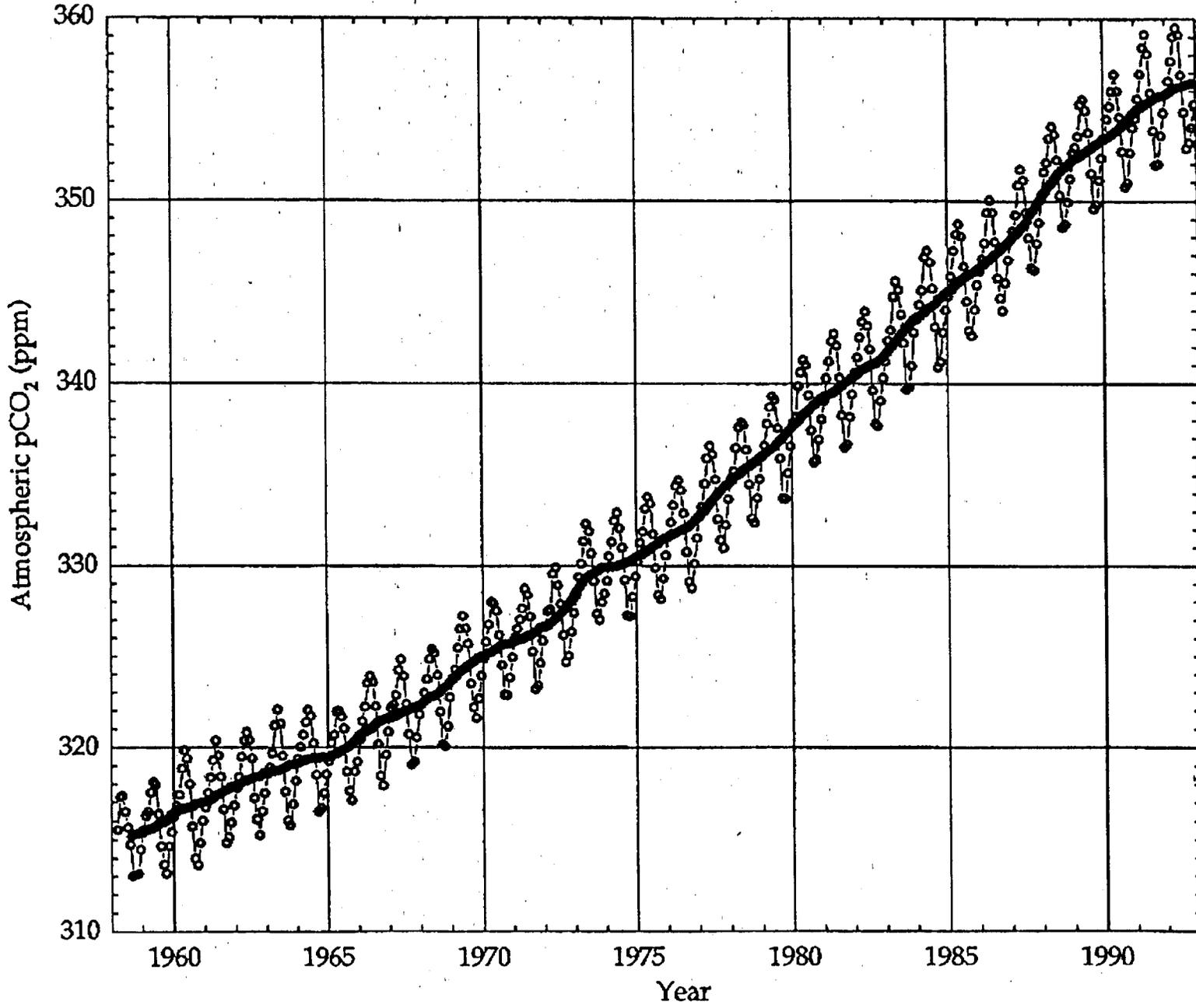
HQ Perspective

New Keeling Data to May 1993

12 Month Running Mean and 24 Month Running Mean of 12 Month Mean



Keeling Mauna Loa Data and 12 Month Running Mean



Welcome:

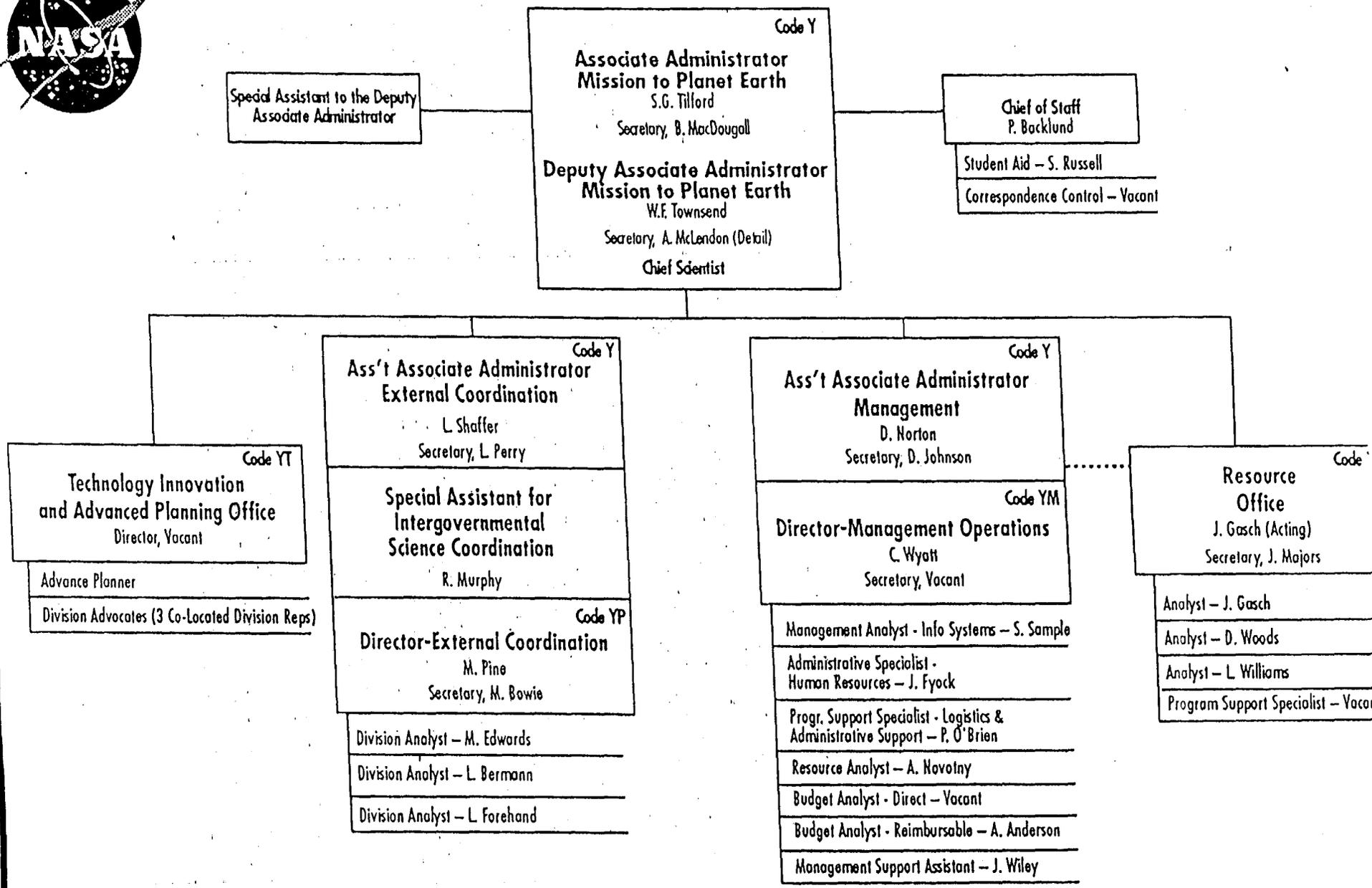
- Thank Vince Solomonson, Mike King, and MODIS Instr. Team
for opportunity
- Japanese colleagues
and JUWOC summary

Meeting agenda:

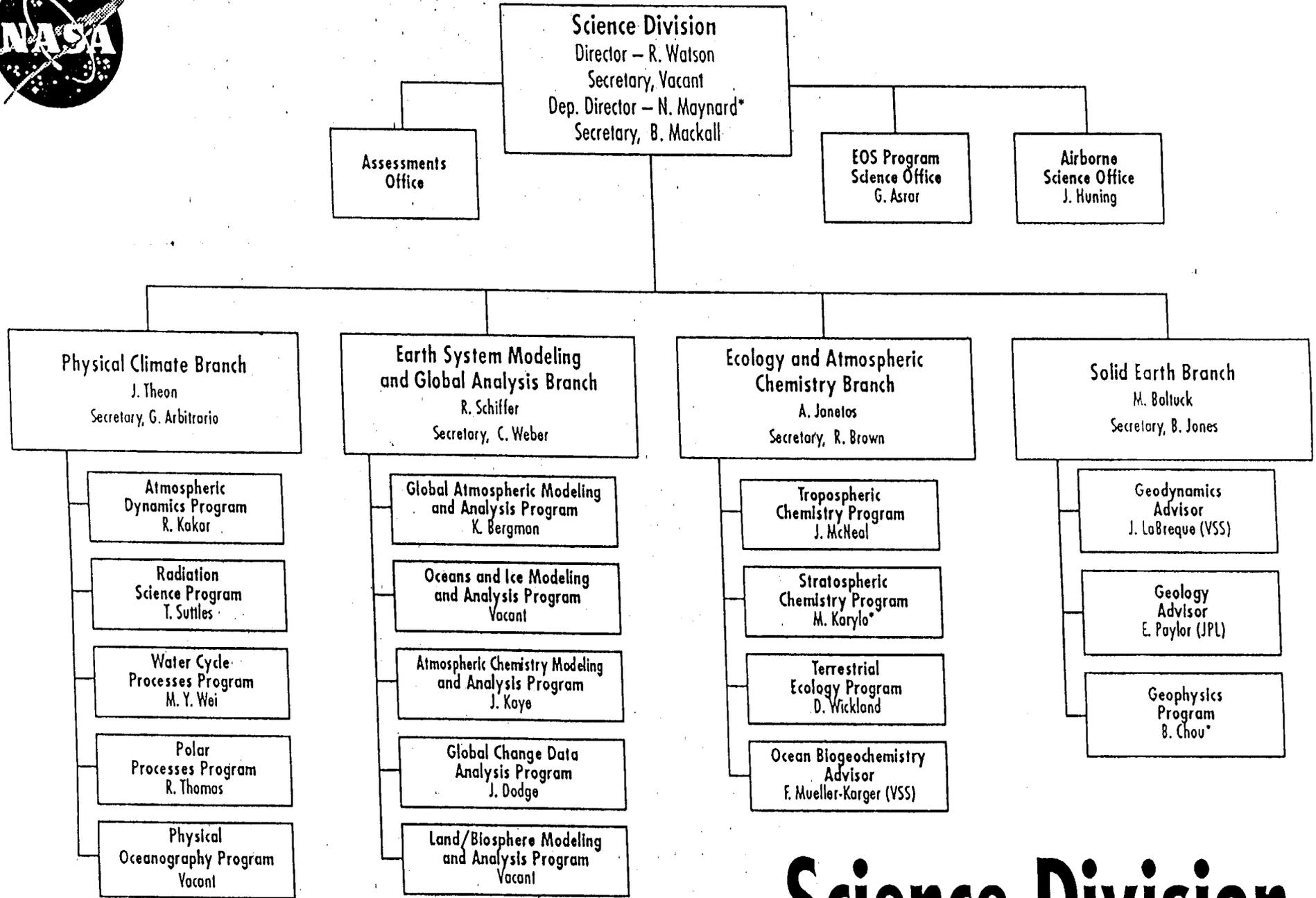
- GLI presentation this morning by Mr. Moriyama

I. Diane Wickland is the MODIS Program Scientist (FMK is alternate)

She is enthusiastic about her role and looks forward to being involved in the Science Preparations for MODIS. Diane regrets missing this meeting (she is in Brazil).



Mission to Planet Earth

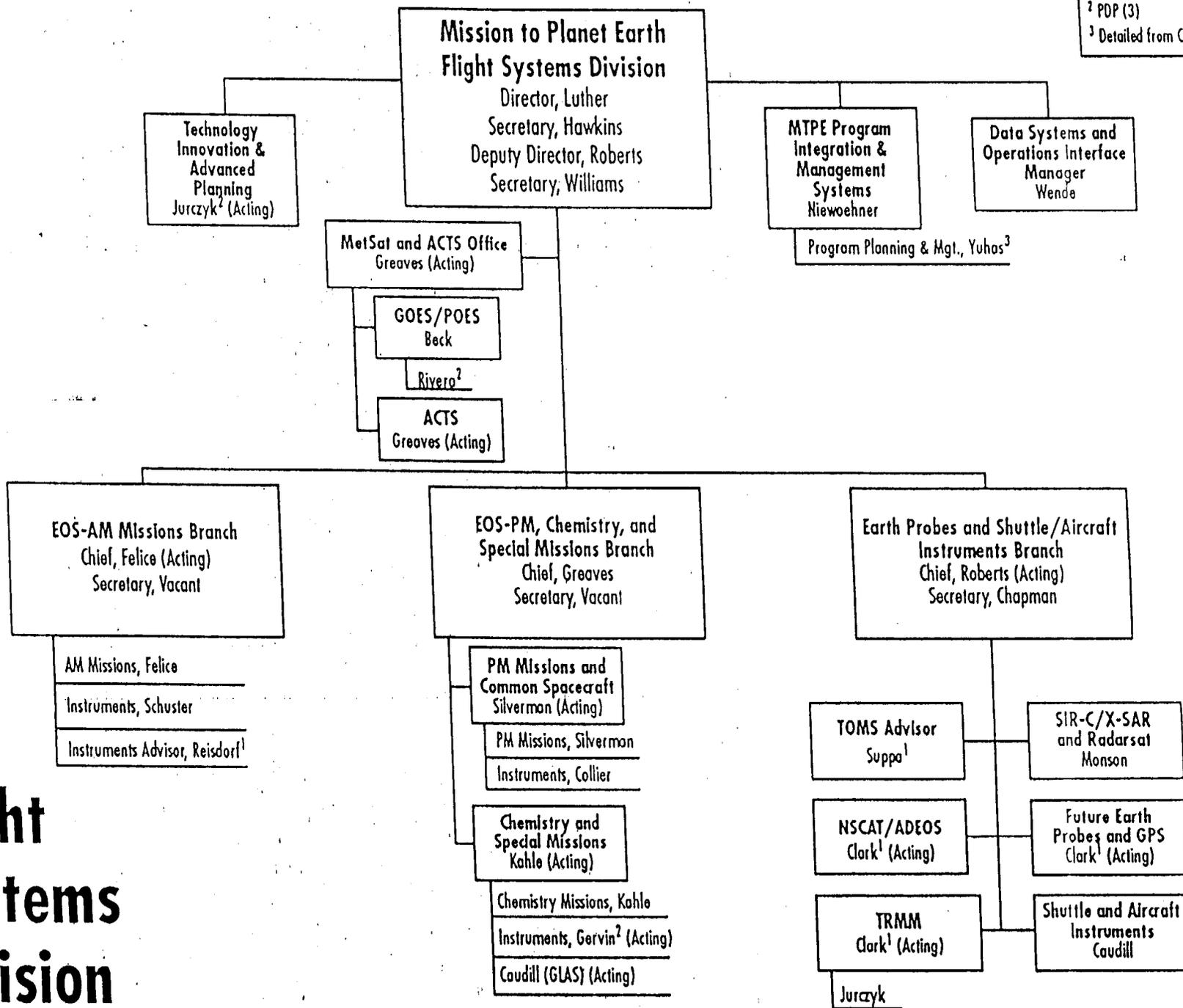


Science Division

*Detailee



¹ Detailee (3)
² PDP (3)
³ Detailed from Code Y (1)



Flight Systems Division

DRAFT

JRA-93-001

NASDA-EA

Oct. 1 '93

RESEARCH ANNOUNCEMENT

Advanced Earth Observing Satellite (ADEOS)

CAL/VAL and SCIENCE

Proposal Due Dec. 24 '93

National Space Development Agency of Japan

Japan Environmental Agency

HQ applauds accomplishments of the MODIS Team to date

- MODIS Instrument Team leadership in developing data products algorithms
 - Team Discipline Groups have opportunity to examine currently-approved Key Products
- Effort in modeling stray light in MODIS and SeaWiFS and assessment of solutions in collaboration with industry
- Work toward resolving EOS instruments data processing requirements.
 - MODIS data processing streamlining: 7 GFLOPs (MISR is 10 GFLOPs)

- MODIS LAND group progress in planning a ground validation program in conjunction with the NSF LTER (Long-Term Ecological Research) program.
- Investment of effort and resources of the MODIS OCEAN group in:
 - implementing a field calibration scheme for SeaWiFS
 - designing software for implementation of the atmospheric and in-water algorithms
- MODIS OCEAN group will be invited to participate in EOS Color Team

Airborne programs:
(ASAS, AVIRIS, MODIS Simulator, etc.)

Airborne sensors involve significant acquisition costs beyond the user fees for aircraft hours. But neither the EOS Project nor EOS PI's have well defined budget plans for these costs.

EOS PIs seem to have three options:

- a. Coordinate within MODIS subgroups and across other EOS activities
- b. Coordinate with Core Program (R&A) to share costs
- c. Don't use data from airborne sensors

MODIS Team needs to plan a strategy for covering costs associated with airborne missions if they are deemed necessary and are requested.

MODIS Airborne Simulator (MAS):

- Popularity of the MAS is increasing, but it is not clear if these potential users understand MAS performance and capabilities. Clearly, the MAS does not replicate the capabilities of MODIS. The team needs to document MAS specs/characteristics, and cost for the general public.

Also, what are the tradeoffs of this instrument vs. an AVIRIS, for example.

As HQ is flooded with requests, this information is viewed as very necessary

Budgets: Currently all is on track for an \$8Billion EOS through year 2,000.

- All budget matters are handled via Mike King and Vince Solomonson's offices at GSFC.

Please feel free to contact Diane Wickland or Frank Muller-Karger at HQ. Keep HQ informed of new ideas and approaches, or whatever is on their minds.